

# COMPUTER SCIENCE - ASSOCIATE OF SCIENCE OREGON TRANSFER (ASOT)

## Description

The Associate of Science Oregon Transfer with a focus in computer science meets lower-division general education requirements of baccalaureate degree programs of any Oregon public university and provides junior status for registration purposes.

The focus area was created through collaboration between members of the Oregon Council of Computer Chairs, which includes Oregon community college faculty/administrators and Oregon public university computer science chairs/faculty. The degree provides general guidelines for a computer science major. However, grade point average and course requirements are not guaranteed to have been satisfied with this degree. Students are encouraged to refer to the catalog of the specific institution to which they plan to transfer to ensure accuracy of academic planning. Students are also encouraged to contact an adviser at the transfer school as soon as possible.

## Statewide General Education Student Learning Outcomes

Please see the [General Education page](#) for statewide general education student learning outcomes.

## Entrance Requirements

While this program has no formal entrance requirement, individual courses may have prerequisites which must be met before enrollment.

## Course Requirements

Course	Title	Credits
<b>General Education/Foundational</b>		
<u>Health:</u>		
Choose 3 credits <sup>1</sup>		3
<u>Mathematics:</u>		
MTH 251	Calculus I (or higher)	4
<u>Oral Communication:</u>		
Choose one course		3-4
<u>Writing:</u>		
WR 121	Academic Composition	4
WR 122	Argument, Research, and Multimodal Composition	4
or WR 227	Technical Writing	
Recommend: WR 227		
<b>General Education/Discipline studies</b>		
<u>Cultural Literacy:</u>		
One course from the following categories must be designated as cultural literacy on the Discipline Studies list (credits count once).		
<u>Arts and Letters:</u>		
Choose at least three courses from at least two prefixes		9-12
<u>Social Science:</u>		
Choose at least four courses from at least two prefixes		12-16
<u>Science/Math/Computer Science:</u>		
MTH 252	Calculus II	4

Choose three science courses designated as lab science courses from the Discipline Studies list 9-15

Program Requirements		
CS 160	Computer Science Orientation	4
CS 161	Computer Science I	4
CS 162	Computer Science II	4
CS 260	Data Structures	4

### Electives

Choose enough electives to reach a minimum total of 90 overall degree credits <sup>2</sup> 22

**Total Credits 90-104**

<sup>1</sup> HHPA activity courses (1 credit each) are not to be duplicated.

<sup>2</sup> Elective credits must number 100 or above with a maximum of 12 CTE credits. Students are encouraged to plan these credits carefully in consultation with university-specific CS program requirements.

## Advising Notes

Oregon State University-Cascades offers a Bachelor of Science in Computer Science with tracks in software engineering or software entrepreneurship. Students are recommended to reference current degree requirements, including required courses and GPA. At the time of this publication, the following courses are recommended in the first 90 credits: CS 260 Data Structures, MTH 231 Discrete Mathematics, BA 217 Accounting Fundamentals, BA 250 Entrepreneurship at COCC; CS 290 Web Development, CS 325 Algorithm Analysis, CS 340 Introduction to Databases, SE 201 Software Development at OSU.

## Performance Standards

- Academic Requirements:
  - Students must have a 2.0 cumulative GPA to earn a COCC certificate or degree.
  - Options for additional standards:
    - All courses in the program must be completed with a grade of C or higher.
- Additional Requirements:
  - None

## Sample Plan

First Term		Credits
CS 160	Computer Science Orientation	4
<u>Health:</u>		
MTH 251	Calculus I	4
WR 121	Academic Composition	4
<b>Credits</b>		<b>15</b>
<b>Second Term</b>		
CS 161	Computer Science I	4

MTH 252	Calculus II	4
<u>Oral Communication:</u>		3-4
Writing (recommend WR 227)		4
<b>Credits</b>		<b>15-16</b>
<b>Third Term</b>		
CS 162	Computer Science II	4
Discipline Studies Arts & Letters		3-4
Discipline Studies Social Science		3-4
Discipline Studies Lab Science		3-5
<b>Credits</b>		<b>13-17</b>
<b>Fourth Term</b>		
CS 260	Data Structures	4
Discipline Studies Arts & Letters		3-4
Discipline Studies Social Science		3-4
Elective		3-4
Elective		3-4
<b>Credits</b>		<b>16-20</b>
<b>Fifth Term</b>		
Discipline Studies Arts & Letters		3-4
Discipline Studies Social Science		3-4
Discipline Studies Lab Science		3-5
Elective		3-4
Elective		3
<b>Credits</b>		<b>15-20</b>
<b>Sixth Term</b>		
Discipline Studies Lab Science		3-5
Discipline Studies Social Science		3-4
Elective		3-4
Elective		3
Elective		4
<b>Credits</b>		<b>16-20</b>
<b>Total Credits</b>		<b>90-108</b>